



ER-4011

Second Year M. B. B. S. Examination

December - 2016

Pharmacology : Paper - I

Time : 2 Hours]

[Total Marks : 40

Instructions :

(1)

नीचे दशांश भरें, दीवानी विस्तार और संख्या पर अवकाश नहीं है। Fill up strictly the details of signs on your answer book.	Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Name of the Examination <input type="text" value="Second Year M. B. B. S."/>	
Name of the Subject : <input type="text" value="Pharmacology : Paper - 1"/>	
Subject Code No. : <input type="text" value="4"/> <input type="text" value="0"/> <input type="text" value="1"/> <input type="text" value="1"/> Section No. (1, 2,): <input type="text" value="1&2"/>	

- (2) Answer must be brief, precise and to the point.
- (3) Always give suitable examples and draw figures where necessary.

SECTION - I

1 Answer very briefly : 10

- (1) Explain the phenomenon of redistribution using a suitable example.
- (2) State the main uses of propantheline and dicyclomine.
- (3) Mention two types of receptor antagonism with one example for each.
- (4) Give two examples of skeletal muscle relaxants. Give two indications of their use.
- (5) Name two drugs each obtained from plant and animal source respectively and one therapeutic use of each drug.
- (6) Enumerate two advantages and two disadvantages of intramuscular route of drug administration.

- (7) Enumerate the indications of therapeutic drug monitoring.
- (8) Why subcutaneous route of adrenaline is not preferred in anaphylactic shock ? Which route is preferred ?
- (9) Explain iatrogenic disease giving suitable example.
- (10) Give two examples of fixed dose combinations that you consider rational. Give justification for any one.

2 Answer any **four** :

8

- (1) Describe briefly with examples : (1) Therapeutic Window Phenomenon (2) Tachyphylaxis.
- (2) Compare and contrast : Dopamine and Dobutamine.
- (3) Write in short the pharmacological basis for the use of prostaglandin analogues in glaucoma.
- (4) Enumerate therapeutic uses and adverse effects of β Blockers.
- (5) Write in short on nasal decongestants.

SECTION - II

3 Answer any **four** :

12

- (1) Describe in short therapeutic uses, adverse effects and mechanism of action of warfarin.
- (2) Define "Prokinetic". Describe mechanism of action and adverse effects of metoclopramide.
- (3) Compare and contrast : Heparin and Low Molecular Weight Heparins.
- (4) Justify the use of omeprazole in peptic ulcer, mentioning details of administration and important adverse effects.
- (5) Write pharmacotherapy of acute bronchial asthma.

4 Answer any two :

10

- (1) Describe briefly, therapeutic uses and adverse effects of digitalis.
- (2) Classify diuretics. Describe the adverse effect profile of diuretics.
- (3) Describe ACE Inhibitors.